Function-Feature Intervals (version 13)
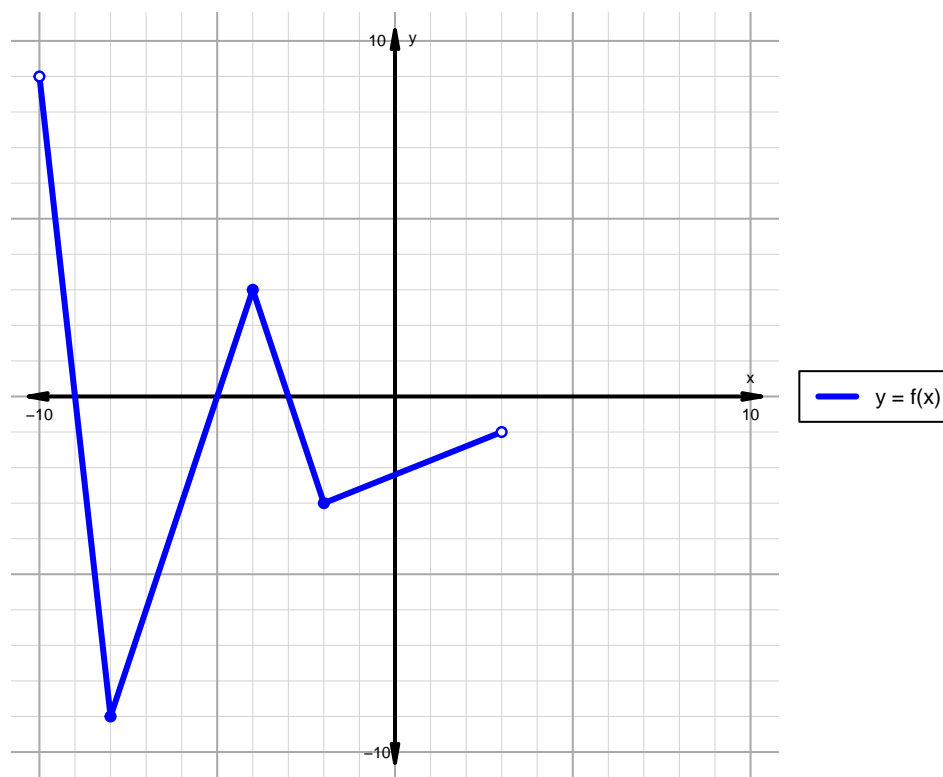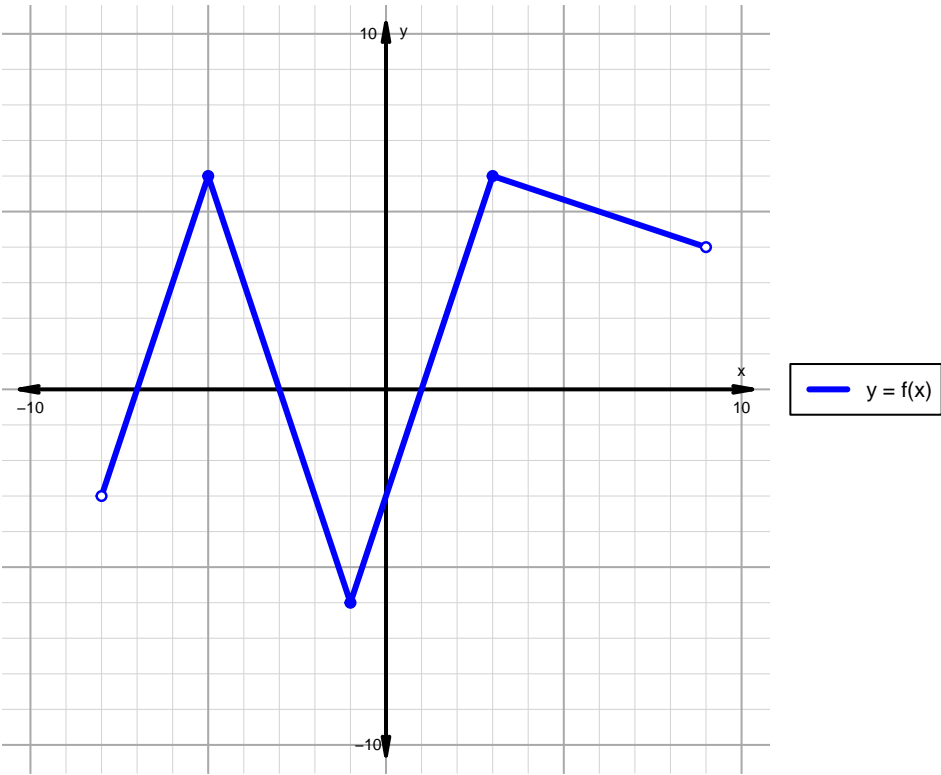
1. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-10, -9) \cup (-5, -3)$
Negative	$(-9, -5) \cup (-3, 3)$
Increasing	$(-8, -4) \cup (-2, 3)$
Decreasing	$(-10, -8) \cup (-4, -2)$
Domain	$(-10, 3)$
Range	$(-9, 9)$

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2. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-7, -3) \cup (1, 9)$
Negative	$(-8, -7) \cup (-3, 1)$
Increasing	$(-8, -5) \cup (-1, 3)$
Decreasing	$(-5, -1) \cup (3, 9)$
Domain	$(-8, 9)$
Range	$(-6, 6)$